Arpan Banerjee

List of Publications by Year
in descending order

32	635	759233 12	677142 22
papers	citations	h-index	g-index

48	48	48	651
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stability of sensorimotor network sculpts the dynamic repertoire of resting state over lifespan. Cerebral Cortex, 2023, 33, 1246-1262.	2.9	6
2	Biophysical mechanism underlying compensatory preservation of neural synchrony over the adult lifespan. Communications Biology, 2022, 5, .	4.4	14
3	Reconfiguration of Directed Functional Connectivity Among Neurocognitive Networks with Aging: Considering the Role of Thalamo-Cortical Interactions. Cerebral Cortex, 2021, 31, 1970-1986.	2.9	14
4	Multiscale dynamic mean field (MDMF) model relates resting-state brain dynamics with local cortical excitatoryâ€“inhibitory neurotransmitter homeostasis. Network Neuroscience, 2021, 5, 1-26.	2.6	17
5	Organization of directed functional connectivity among nodes of ventral attention network reveals the common network mechanisms underlying saliency processing across distinct spatial and spatio-temporal scales. NeuroImage, 2021, 231, 117869.	4.2	6
6	Contextual prediction errors reorganize naturalistic episodic memories in time. Scientific Reports, 2021, 11, 12364.	3.3	4
7	Psychophysical data to study the brain network mechanisms involved in reorienting attention to salient events during goal-directed visual discrimination and search tasks. Data in Brief, 2021, 36, 107020.	1.0	0
8	Aperiodic and Periodic Components of Ongoing Oscillatory Brain Dynamics Link Distinct Functional Aspects of Cognition across Adult Lifespan. ENeuro, 2021, 8, ENEURO.0224-21.2021.	1.9	34
9	Editorial: Temporal Structure of Neural Processes Coupling Sensory, Motor and Cognitive Functions of the Brain. Frontiers in Computational Neuroscience, 2020, 14, 73.	2.1	6
10	Lifespan associated global patterns of coherent neural communication. NeuroImage, 2020, 216, 116824.	4.2	27
11	Large-scale Functional Integration, Rather than Functional Dissociation along Dorsal and Ventral Streams, Underlies Visual Perception and Action. Journal of Cognitive Neuroscience, 2020, 32, 847-861.	2.3	14
12	Biophysical mechanisms governing largeâ€scale brain network dynamics underlying individualâ€specific variability of perception. European Journal of Neuroscience, 2020, 52, 3746-3762.	2.6	10
13	Generative framework for dimensionality reduction of large scale network of nonlinear dynamical systems driven by external input. New Journal of Physics, 2019, 21, 072001.	2.9	0
14	Quantitative Evaluation in Estimating Sources Underlying Brain Oscillations Using Current Source Density Methods and Beamformer Approaches. ENeuro, 2019, 6, ENEURO.0170-19.2019.	1.9	48
15	Segregation and Integration of Cortical Information Processing Underlying Cross-Modal Perception. Multisensory Research, 2018, 31, 481-500.	1.1	6
16	Chronometry on Spike-LFP Responses Reveals the Functional Neural Circuitry of Early Auditory Cortex Underlying Sound Processing and Discrimination. ENeuro, 2018, 5, ENEURO.0420-17.2018.	1.9	3
17	Metastability in Senescence. Trends in Cognitive Sciences, 2017, 21, 509-521.	7.8	60
18	Neural Substrate of Group Mental Health: Insights from Multi-Brain Reference Frame in Functional Neuroimaging. Frontiers in Psychology, 2017, 8, 1627.	2.1	7

#	Article	IF	Citations
19	Large Scale Functional Brain Networks Underlying Temporal Integration of Audio-Visual Speech Perception: An EEG Study. Frontiers in Psychology, 2016, 7, 1558.	2.1	29
20	A dynamical framework to relate perceptual variability with multisensory information processing. Scientific Reports, 2016, 6, 31280.	3.3	12
21	Does the regulation of local excitationâ€“inhibition balance aid in recovery of functional connectivity? A computational account. NeuroImage, 2016, 136, 57-67.	4.2	32
22	Translating neuroscience to the front lines: point-of-care detection of neuropsychiatric disorders. Lancet Psychiatry,the, 2016, 3, 915-917.	7.4	17
23	Can quantum probability help analyze the behavior of functional brain networks?. Behavioral and Brain Sciences, 2013, 36, 278-279.	0.7	1
24	Spatiotemporal re-organization of large-scale neural assemblies underlies bimanual coordination. NeuroImage, 2012, 62, 1582-1592.	4.2	66
25	Temporal microstructure of cortical networks (TMCN) underlying task-related differences. NeuroImage, 2012, 62, 1643-1657.	4.2	45
26	Parametric models to relate spike train and LFP dynamics with neural information processing. Frontiers in Computational Neuroscience, 2012, 6, 51.	2.1	10
27	A Role for Neural Modeling in the Study of Brain Disorders. Frontiers in Systems Neuroscience, 2012, 6, 57.	2.5	2
28	Using large-scale neural models to interpret connectivity measures of cortico-cortical dynamics at millisecond temporal resolution. Frontiers in Systems Neuroscience, 2011, 5, 102.	2.5	18
29	A Likelihood Method for Computing Selection Times in Spiking and Local Field Potential Activity. Journal of Neurophysiology, 2010, 104, 3705-3720.	1.8	14
30	Mode level cognitive subtraction (MLCS) quantifies spatiotemporal reorganization in large-scale brain topographies. NeuroImage, 2008, 42, 663-674.	4.2	55
31	How do neural connectivity and time delays influence bimanual coordination?. Biological Cybernetics, 2007, 96, 265-278.	1.3	30
32	Whole-Brain Network Models: From Physics to Bedside. Frontiers in Computational Neuroscience, 0, 16, .	2.1	18